

IN THE CLAIMS:

Claim 1 (currently amended) A plasmid DNA comprising in a 5' to 3' direction, a Gal4 responsive element, a promoter and a polynucleotide DNA encoding an amino acid sequence comprising a transmembrane region and an apoptosis-inducing domain a functional region of a ~~an-Fas antigen, in a region downstream of a responsive element of Gal4 protein.~~

Claim 2 (currently amended) The plasmid DNA according to claim 1, wherein the polynucleotide amino acid sequence comprising encodes a the-transmembrane region and the-an ~~apoptosis-inducing domain of a Fas antigen functional region of the Fas antigen-represented by~~ amino acids 136 to 305 is an amino acid sequence of the 136<sup>th</sup> to 305<sup>th</sup> positions of mouse Fas antigen (SEQ ID NO:23) or amino acids 145 to 319 an amino acid sequence of the 145<sup>th</sup> to 319<sup>th</sup> positions of human Fas antigen (SEQ ID NO:22).

Claim 3 (currently amended) The plasmid DNA according to claim 1 ~~or 2~~, wherein the polynucleotide encoding a transmembrane region and an apoptosis-inducing domain of a Fas antigen further encodes an amino acid sequence comprising a a signal peptide region of a the Fas antigen in frame with is linked to the N-terminal of the amino acid sequence comprising the transmembrane region and the apoptosis-inducing domain functional region of the Fas antigen, and wherein the transmembrane region and the apoptosis-inducing domain are represented by amino acids 136 to 305 of mouse Fas antigen (SEQ ID NO:23) or amino acids 145 to 319 of human Fas antigen (SEQ ID NO:22).

Claim 4 (currently amended) The plasmid DNA according to claim 3, wherein the polynucleotide encodes a Fas antigen signal peptide region represented by the amino acid sequence comprising the signal peptide of the Fas antigen is an amino acids acid sequence of the -

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21<sup>st</sup> to 14<sup>th</sup> ~~positions~~ of mouse Fas antigen (SEQ ID NO:23) or an amino ~~acids~~ acid sequence of  
the ~~-16<sup>th</sup> to 23<sup>rd</sup> positions~~ of human Fas antigen (SEQ ID NO:22).

Claims 5-19 (canceled).

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Claim 20 (currently amended) A composition ~~therapeutic agent for a cancer or an~~  
~~autoimmune disease~~, comprising the plasmid DNA of any one of claims 1 to 4 and a DNA  
molecule encoding an effector protein.

Claims 21-23 (canceled).